

CAU SEMI-LOW BRIGHT T5 FLUORESCENT

Surface or Recessed T/bar Models



CAUW314T5D

FEATURES

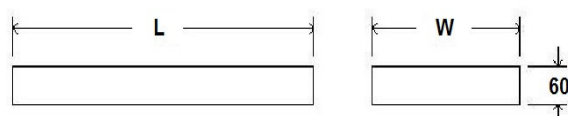
- Metal surfaces pre-treated and de-greased before being polyester epoxy powder coated and baked for high protection and quality finish.
- High temperature internal wiring for added safety
- High grade aluminium louvers for long life and superior performance.
- High performance 840 T5 lamp
- Energy efficient 30000hr electronic control gear.
- Under voltage protection (shut down) below 160V AC.
- Over voltage protection 320V AC.
- Operating frequency > 39kHz flicker free.
- Power factor > 0.95
- AC operation 198—264V
- Automatic re-start after lamp change.
- Start within 1.5s

APPLICATION

This low profile luminaire is particularly suitable for shopping centres, display areas, general office and where vertical illumination is important.

| Model No. | Wattage | Size (L x W) |
|------------|---------|--------------|
| CAU214T5X | 2/14W | 590 X 290 |
| CAU228T5X | 2/28W | 1190 X 290 |
| CAUW214T5X | 2/14W | 590 X 590 |
| CAUW314T5X | 3/14W | 590 X 590 |
| CAUW414T5X | 4/14W | 590 X 590 |
| CAUW228T5X | 2/28W | 1190 X 590 |
| CAUW328T5X | 3/28W | 1190 X 590 |
| CAUW428T5X | 4/28W | 1190 X 590 |
| CAU224T5X | 2/24W | 590 X 290 |
| CAU254T5X | 2/54W | 1190 X 290 |
| CAUW224T5X | 2/24W | 590 X 590 |
| CAUW324T5X | 3/24W | 590 X 590 |
| CAUW424T5X | 4/24W | 590 X 590 |
| CAUW254T5X | 2/54W | 1190 X 590 |
| CAUW354T5X | 3/54W | 1190 X 590 |
| CAUW454T5X | 4/54W | 1190 X 590 |

DIMENSIONS

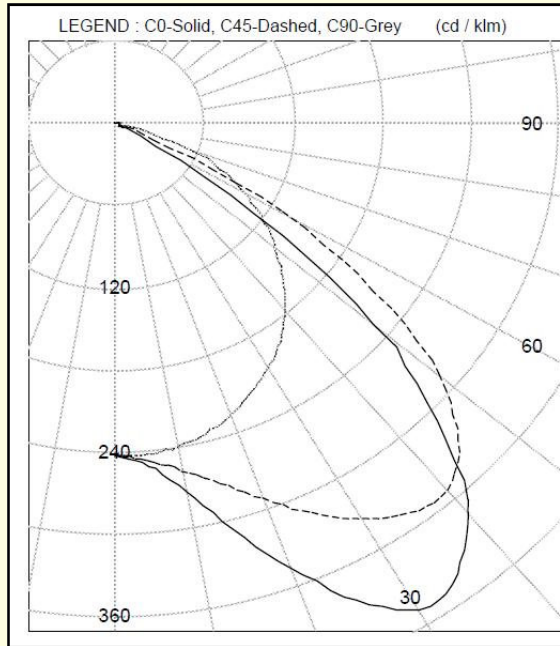


X designates reflector type (S) specular or (D) semi-specular louvre.

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| Gamma | C-Plane | | | | | Output Lumens |
|-------|---------|-------|-----|-------|-----|---------------|
| | C0 | C22.5 | C45 | C67.5 | C90 | |
| 0.0 | 244 | 244 | 244 | 244 | 244 | |
| 5.0 | 251 | 250 | 247 | 244 | 243 | 24 |
| 10.0 | 274 | 269 | 257 | 245 | 240 | |
| 15.0 | 307 | 297 | 273 | 246 | 234 | 78 |
| 20.0 | 347 | 332 | 292 | 247 | 226 | |
| 25.0 | 384 | 366 | 314 | 248 | 216 | 142 |
| 30.0 | 410 | 391 | 334 | 250 | 206 | |
| 35.0 | 402 | 395 | 347 | 254 | 193 | 202 |
| 40.0 | 372 | 368 | 349 | 257 | 178 | |
| 45.0 | 307 | 319 | 327 | 253 | 159 | 217 |
| 50.0 | 227 | 245 | 286 | 243 | 140 | |
| 55.0 | 114 | 147 | 213 | 222 | 121 | 155 |
| 60.0 | 19 | 45 | 129 | 180 | 101 | |
| 65.0 | 3 | 7 | 41 | 120 | 78 | 55 |
| 70.0 | 1 | 4 | 8 | 57 | 49 | |
| 75.0 | 1 | 3 | 3 | 10 | 12 | 8 |
| 80.0 | 0 | 0 | 1 | 1 | 1 | |
| 85.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | |

| Gamma | C0 | C45 | C90 |
|-------|------|------|-----|
| 45.0 | 1728 | 1840 | 896 |
| 55.0 | 791 | 1476 | 840 |
| 65.0 | 30 | 386 | 735 |
| 75.0 | 9 | 54 | 188 |
| 85.0 | 6 | 14 | 18 |

| Zone | Lumens | % Lamp | % Luminaire |
|--------|--------|--------|-------------|
| 0-30 | 244 | 24.4 | 27.7 |
| 0-40 | 445 | 44.5 | 50.6 |
| 0-60 | 817 | 81.7 | 92.8 |
| 0-90 | 881 | 88.1 | 100.0 |
| 40-90 | 435 | 43.5 | 49.4 |
| 60-90 | 64 | 6.4 | 7.2 |
| 90-180 | 0 | 0.0 | 0.0 |
| 0-180 | 881 | 88.1 | 100.0 |

Light Output Ratio = 88.1 %

SHR-NOM = 1.25
SHR-MAX = 1.32

Calculated using the TM5
fine grid method.

| SHR NOM = 1.25 | | | | | | | | | | | |
|-------------------|------|------|------------|------|------|------|------|------|------|------|------|
| Room Reflectance. | | | Room Index | | | | | | | | |
| C | W | F | 0.75 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |
| 0.70 | 0.50 | 0.20 | 0.53 | 0.63 | 0.70 | 0.75 | 0.81 | 0.85 | 0.88 | 0.91 | 0.93 |
| | | 0.30 | 0.46 | 0.57 | 0.64 | 0.70 | 0.76 | 0.81 | 0.84 | 0.88 | 0.91 |
| | | 0.10 | 0.41 | 0.52 | 0.60 | 0.65 | 0.73 | 0.78 | 0.81 | 0.86 | 0.89 |
| 0.50 | 0.50 | 0.20 | 0.51 | 0.62 | 0.68 | 0.73 | 0.78 | 0.82 | 0.85 | 0.88 | 0.90 |
| | | 0.30 | 0.45 | 0.56 | 0.63 | 0.68 | 0.75 | 0.79 | 0.82 | 0.85 | 0.88 |
| | | 0.10 | 0.41 | 0.52 | 0.59 | 0.64 | 0.71 | 0.76 | 0.79 | 0.83 | 0.86 |
| 0.30 | 0.50 | 0.20 | 0.50 | 0.60 | 0.66 | 0.70 | 0.76 | 0.79 | 0.82 | 0.85 | 0.86 |
| | | 0.30 | 0.45 | 0.55 | 0.62 | 0.67 | 0.73 | 0.77 | 0.79 | 0.83 | 0.85 |
| | | 0.10 | 0.41 | 0.51 | 0.58 | 0.63 | 0.70 | 0.74 | 0.77 | 0.81 | 0.83 |
| 0.00 | 0.00 | 0.00 | 0.39 | 0.49 | 0.56 | 0.61 | 0.67 | 0.71 | 0.74 | 0.77 | 0.79 |

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CERTIFIED TO MS ISO 9002



"when your
business
depends
on light."